



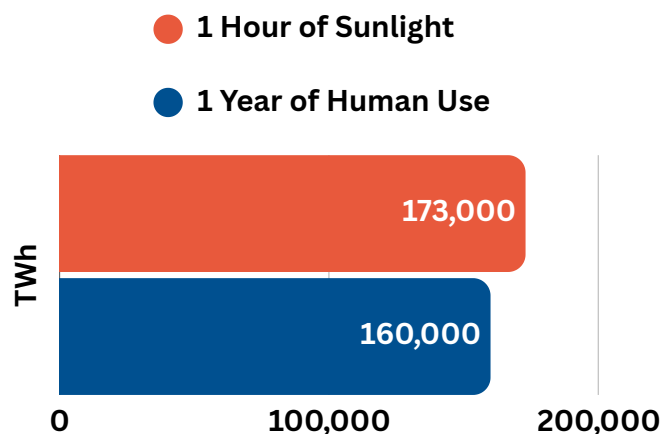
WHITEPAPER

Regulated. Transparent. Accountable.

Introduction

The way the world powers itself is changing – and the shift is no longer optional. For decades, global energy systems have been built on a foundation of fossil fuels that are finite, politically volatile, and increasingly costly. The energy crises of recent years have exposed just how fragile that foundation is. Prices spike overnight, supply chains fracture, and entire economies are held hostage by the decisions of a handful of producing nations.

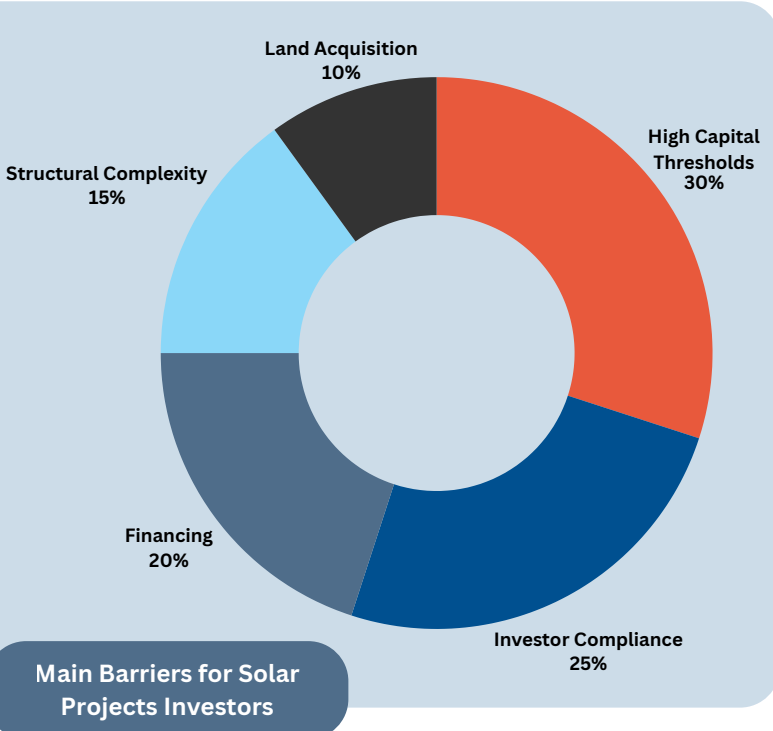
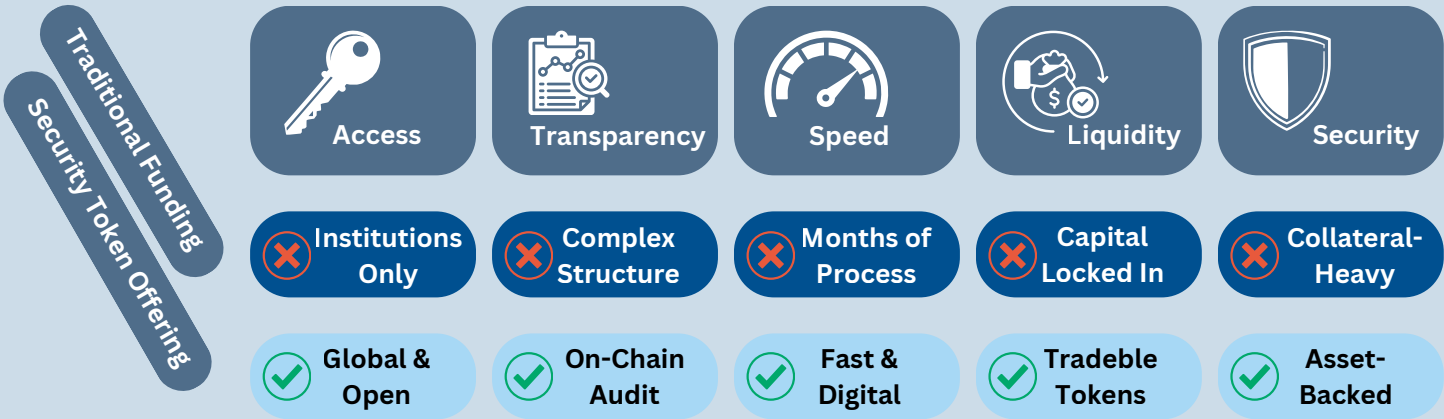
Solar energy is today's most viable answer to that fragility. The sun delivers more energy to the Earth in one hour than humanity consumes in an entire year. Unlike oil or gas, it cannot be embargoed, monopolized, or depleted. Solar infrastructure, once built, generates clean and predictable energy for decades – and governments, corporations, and consumers around the world are choosing it not just because it is greener, but because it is smarter, more stable, and more affordable than any alternative on the table.



The gas and oil crises of the early 2020s permanently reordered global energy priorities. The disruptions triggered by geopolitical conflict, supply constraints, and post-pandemic demand surges sent energy prices to historic highs across Europe and beyond. The response was immediate – renewable energy investment targets were accelerated, subsidy frameworks were expanded, and solar capacity additions broke records year after year. Capital is moving. Policy is moving. The investors who position themselves ahead of that movement stand to benefit most.

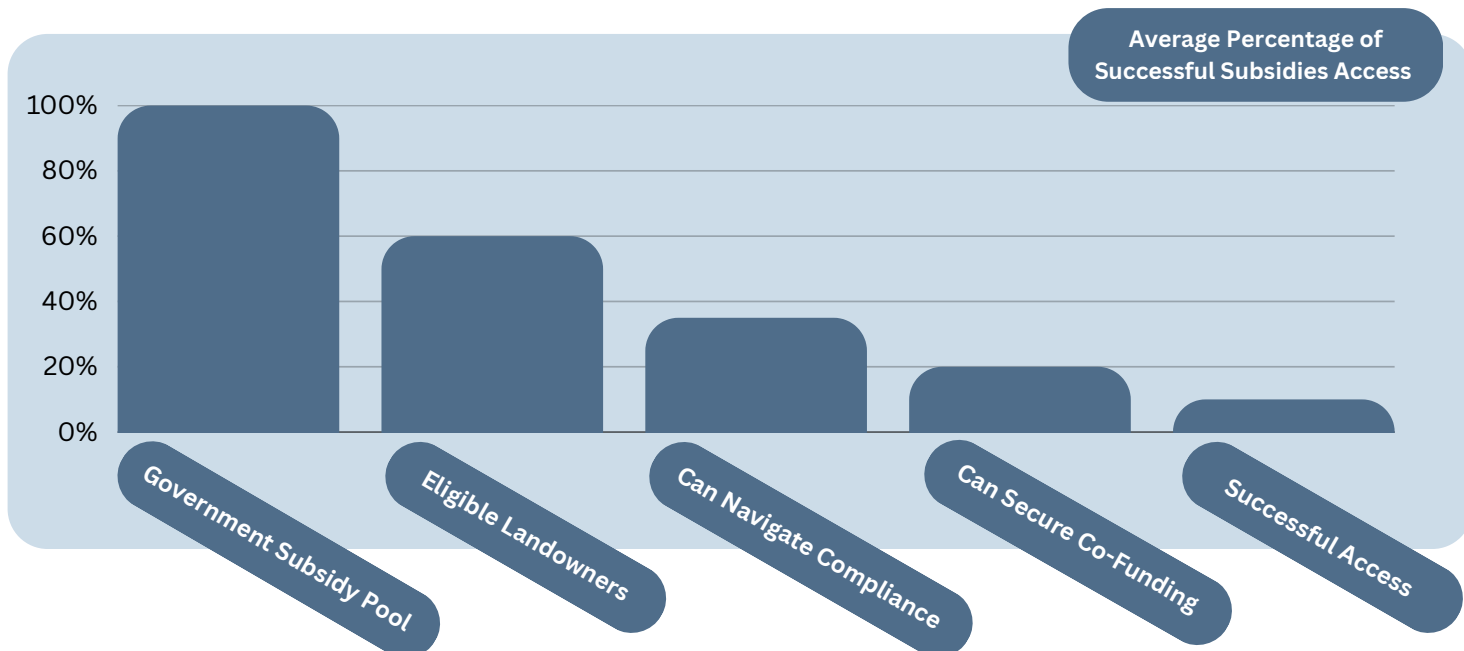
For all the urgency surrounding renewable energy, the mechanisms for funding it have remained frustratingly slow. Traditional project financing for solar infrastructure involves lengthy processes, complex legal structures, and layers of intermediaries – each adding cost, time, and opacity. Bank lending is conservative by design. Private equity is exclusive by structure. The result is a funding gap that leaves viable solar projects waiting years for capital that should be flowing freely, while individual investors looking for exactly this kind of tangible, long-term opportunity have no mechanism to participate.

Security Token Offerings close that gap. By tokenizing real assets on the blockchain, STOs eliminate intermediaries, reduce friction, and open the investment process to a global pool of participants – within a fully regulated legal framework. The asset remains real, the ownership remains legally binding, and the returns remain tied to actual energy production. Our project applies this model directly to solar infrastructure – identifying committed landowners, establishing formal contracts, structuring compliant offerings, and issuing tokens that represent a direct stake in real solar farm assets.



Owning the right land is only the beginning. Across Europe and beyond, thousands of landowners sit on properties that are ideally positioned for solar development – yet the farms never get built. Not because the opportunity is not real, but because the path from land to operational solar farm runs directly through one of the most inaccessible funding environments in modern finance.

Traditional financing for solar infrastructure is slow, expensive, and designed for institutions. Bank loans require years of operational history, extensive collateral beyond the land itself, and a level of financial documentation that most private landowners simply cannot produce.



Green energy grants and government subsidies exist, but they are competitive, bureaucratic, and rarely sufficient to cover the full cost of equipment and installation. Private equity and infrastructure funds are an option – but they come with conditions. Equity stakes, control clauses, revenue splits heavily weighted in the fund's favor, and timelines that stretch years before a single panel goes up. By the time the paperwork is done, the opportunity has often moved on.

The result is a landscape full of willing landowners, viable land, and genuine green ambition - paralyzed by a financial system that was simply not built for them.



Luminex was developed specifically to solve that problem. By establishing formal contracts with landowners and funding the equipment through a regulated Security Token Offering, it eliminates the need for bank financing entirely. It brings the capital, the structure, and the regulatory framework.

For landowners, this means finally being able to act on an opportunity that has been within reach but out of grasp. For investors, it means access to a pipeline of pre-contracted, asset-backed solar projects with defined revenue potential from day one. And every farm we bring online contributes to an energy grid that the world urgently needs more of.

Our Solution



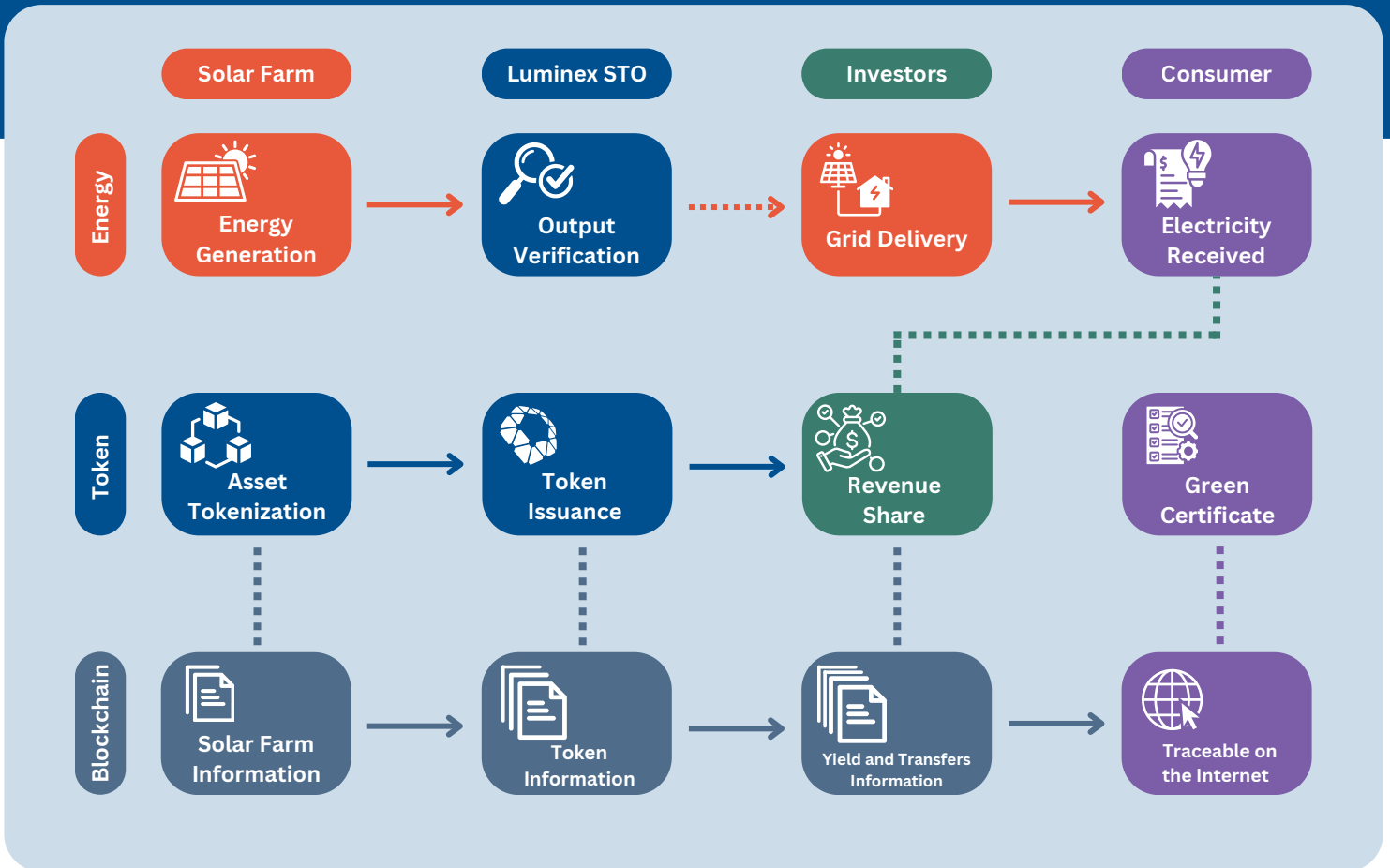
Every Luminex investment is represented by a digital security token – a unique, programmable unit of ownership recorded permanently on the blockchain. Unlike traditional investment certificates or fund units, each token is not simply a number in a database. It is a self-contained record of ownership, linked directly to a specific contribution to a specific solar asset.

When a solar farm is brought into the offering, its total capacity is divided into a defined number of tokens. Each token carries embedded information identifying the solar panels it relates to and the field in which those panels are located. This means that from the moment you invest, your position is not abstract. You know precisely what your capital funded, where it is installed, and what it is producing. Your token is a traceable, verifiable stake in a physical asset with a specific location and a measurable output.

All of this information is stored on a distributed digital ledger – a blockchain – that is publicly accessible and permanently immutable. No single party controls it. No entry can be altered or deleted after the fact. Every token issued, every transfer made, and every revenue distribution executed is recorded on the ledger and visible to anyone who looks. This is transparency in its most absolute form – live, auditable record of every transaction in the history of the project.

Revenue distribution works the same way. When the solar farms generate income through energy sales, smart contracts calculate each token holder's proportional share automatically and execute the distribution without human intervention. There is no manual processing, no intermediary taking a cut, and no delay between revenue being generated and investors receiving their share. The ledger records every distribution the moment it happens, creating a complete and verifiable earnings history for every token in existence.

The result is an investment structure where trust is not asked for – it is built into the architecture. Every contribution is tracked. Every asset is identified. Every payment is automatic and transparent. And every investor, regardless of the size of their position, has access to the same complete picture of the project they helped build.



Immutable

Every record is permanent and tamper-proof

Automated

Instant revenue distribution, no intermediaries needed

Transparent

Full ledger visibility for every investor

The transition to renewable energy is one of the most consequential infrastructure challenges of our time – and one of its least discussed obstacles is not technological. The technology exists. The land exists. The expertise exists. What has consistently fallen short is the mechanism for funding it at the scale the moment demands.

Individual solar farms matter. Each one represents a measurable reduction in carbon output, a step away from fossil fuel dependency, and a contribution to the energy security of the region it serves. But the real impact of solar energy is not realized farm by farm – it is realized at scale. A single installation powers a neighborhood. A network of installations powers a region. A generation of coordinated investment in solar infrastructure has the potential to fundamentally reshape how an entire continent produces and consumes energy.

That is precisely the opportunity that collective investment models unlock. When capital is pooled across hundreds or thousands of individual investors and directed into a structured pipeline of solar projects, the cumulative effect far exceeds what any single institutional fund or government subsidy program could achieve alone. Each investor contributing to our project is not simply funding one farm – they are participating in a replicable model that, as it scales, multiplies its environmental impact with every new project it brings online.



The economics of scaling work in the investor's favor as well. As the portfolio of operational farms grows, the project's ability to negotiate better equipment costs, streamline installation processes, and optimize energy sales improves. The returns generated by a maturing portfolio of solar assets compound over time, creating a self-reinforcing cycle where environmental impact and financial performance move in the same direction.

Global solar capacity crossed the 2 terawatt milestone in 2024 – equivalent to the combined installed electricity capacity of India, the United States, and the United Kingdom. In the first half of 2025 alone, the world added 380 GW of new solar capacity – 64% more than the same period in 2024. Solar is no longer the energy of the future. It is the fastest-growing energy source on the planet, and the window to invest at the ground level is narrowing.



Industry experts have said the transition to electric vehicles and the widespread use of electric heat pumps are likely to more than double the world's demand for electricity by 2050. This will require the expansion of solar grids and rapid digitalization for a cost-effective electricity supply.

Solar energy does not belong to any single country, and neither does the opportunity to invest in it. Our project was designed from the ground up to be borderless – accessible to any qualified investor, regardless of where they live, what currency they hold, or what financial institution they bank with. The barriers that have historically defined infrastructure investment – geography, minimum capital thresholds, institutional access requirements – are structural problems that tokenization was built to solve.

The investment process is entirely digital, the legal framework is structured to accommodate cross-border participation, and the revenue distribution is automated – meaning returns flow directly and proportionally to every token holder, anywhere in the world, the moment they are generated. There are no regional tiers, no preferential access, and no minimum that places the opportunity out of reach for serious individual investors.

At the same time, every token purchased translates directly into solar infrastructure being built. The panels go up. The energy flows. The carbon savings are real and measurable. An investor improving their own financial position is simultaneously contributing to a cleaner grid, reduced fossil fuel dependence, and a more resilient energy future for the communities surrounding every farm we build. Individual financial wellbeing and collective environmental progress are not competing outcomes in this model – they are the same outcome, achieved through the same investment.

Luminex has already established formal contracts with landowners across multiple regions, ensuring that the infrastructure for solar development is secured and ready before a single token is issued. The groundwork is done – what remains is the capital to bring these farms to full operational capacity.

Once the offering is complete and the solar farms are operational, revenue generated through energy sales is distributed directly and proportionally among token holders through automated smart contracts. Every investor receives their share – transparently, automatically, and without delay.



LMX Offering

Rather than backing a single installation, the Luminex STO consolidates investor capital into one professionally managed portfolio of carefully selected solar energy projects. Each token represents a fractional stake in a diversified pool — spanning mid-size solar farms in emerging markets, industrial-scale installations in high-yield regions, and everything in between.

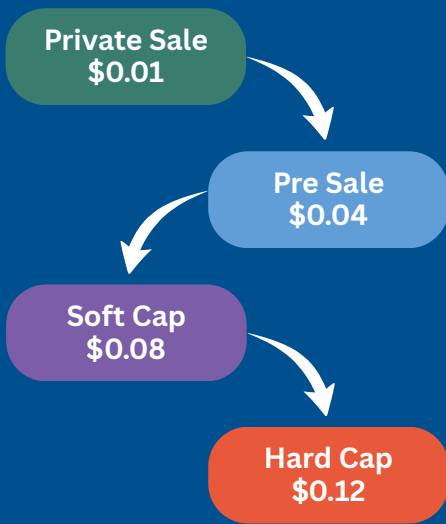
This centralized model enables more efficient capital allocation, streamlined project onboarding, and consistent professional oversight across the entire portfolio. Every project included in the pool must meet strict technical, financial, and environmental criteria before a single token of capital is directed toward it. A commercial solar installation in Spain operating under a 15-year Power Purchase Agreement and an off-grid energy-as-a-service solution serving rural businesses in Kenya can sit within the same portfolio — each contributing revenue, each meeting the same standard of inclusion.

Revenue is generated across the pool through multiple channels — fixed-rate Power Purchase Agreements, direct energy-as-a-service contracts, and feed-in tariffs where applicable. These revenues flow into a central treasury managed by Luminex, where smart contracts automatically calculate and distribute net profits to token holders at regular intervals, proportional to the number of tokens held. The process is automatic, transparent, and fully auditable on the blockchain.

Beyond regular income distributions, investors may benefit from capital appreciation as the underlying portfolio grows — through reinvested profits, the addition of new high-yield projects, or secondary market demand for the tokens themselves. The result is an investment structure that generates real returns from real infrastructure, while directly funding the global transition to clean, sustainable energy.

The integration of smart inverters, real-time telemetry, and predictive analytics provides token holders with accurate, continuously updated forecasts of energy production and projected revenue flows. This is the technological backbone that makes the transparency and accountability Luminex commits to not just possible, but verifiable. Every material metric is measurable, every projection is grounded in live operational data, and every distribution is backed by a clear and auditable record.

This foundation positions Luminex as more than a financing vehicle — it is a forward-looking project built for the realities of a rapidly evolving clean energy economy, where measurable environmental impact and consistent financial returns are not competing priorities, but complementary outcomes of the same well-structured investment.



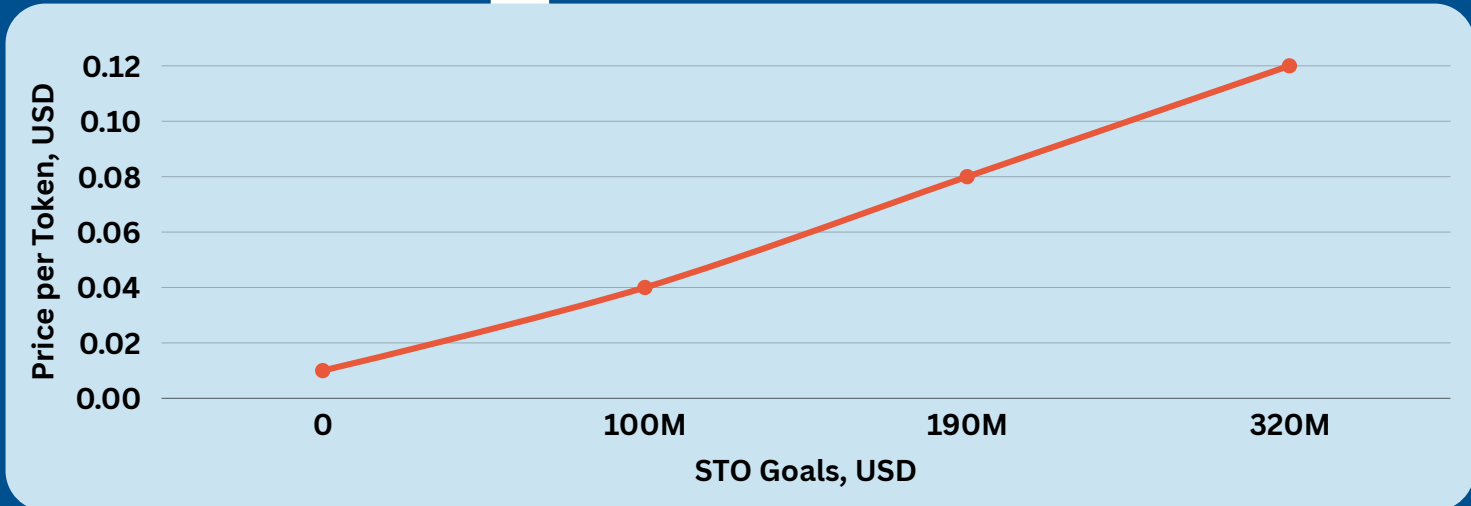
Each phase carries a structured price increase, reflecting the reduced risk profile and expanded asset coverage as the offering progresses. Investors who enter earlier carry more risk and are rewarded accordingly. Those who enter later do so with greater certainty. Either way, every entry point is defined, transparent, and tied directly to the real-world development of the Luminex solar portfolio.

The Luminex STO is structured in stages, each reflecting the project's operational progress and offering investors clearly defined entry points at transparent valuations. The Private Sale is reserved for strategic contributors who provide the foundational capital and long-term commitment that the earliest phase of any serious infrastructure project demands. The Pre-Sale broadens participation at a stage when key infrastructure elements are already secured, reducing risk and increasing confidence for incoming investors.

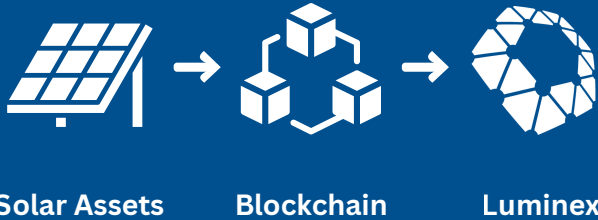
The fundraising model is built around both a Soft Cap and a Hard Cap – establishing the minimum threshold required to advance the project and the upper limit of capital intake. This milestone-based approach ensures that funds are deployed only when operationally justified, and that every stage of growth is backed by a clear and measurable asset base.

The Soft Cap represents the critical threshold at which the Luminex STO becomes fully operational – the minimum capital required to begin equipment procurement, initiate project onboarding, and move the first solar installations toward deployment. Reaching the Soft Cap is not simply a financial milestone; it is the point at which investor commitments translate into concrete, real-world action. Should the Soft Cap not be reached, investor protections built into the offering structure ensure that capital is returned in full.

The Hard Cap marks the ceiling of the offering – the maximum capital Luminex will accept within this round. It is defined not by ambition but by the absorptive capacity of the current project pipeline, ensuring that every dollar raised has a specific, justified destination within the portfolio. Once the Hard Cap is reached, the offering closes and capital is deployed systematically across the secured project pool, with token holders moving into the revenue-sharing phase of their investment.



Tokenomics



The Luminex tokenomics structure defines how real-world solar assets are integrated into a blockchain-based investment ecosystem. The process begins with the selection of solar equipment — the tangible, productive infrastructure that forms the underlying value of every token issued. These assets are then tokenized, dividing ownership rights into digital tokens that each represent a precisely defined fractional share of the portfolio.

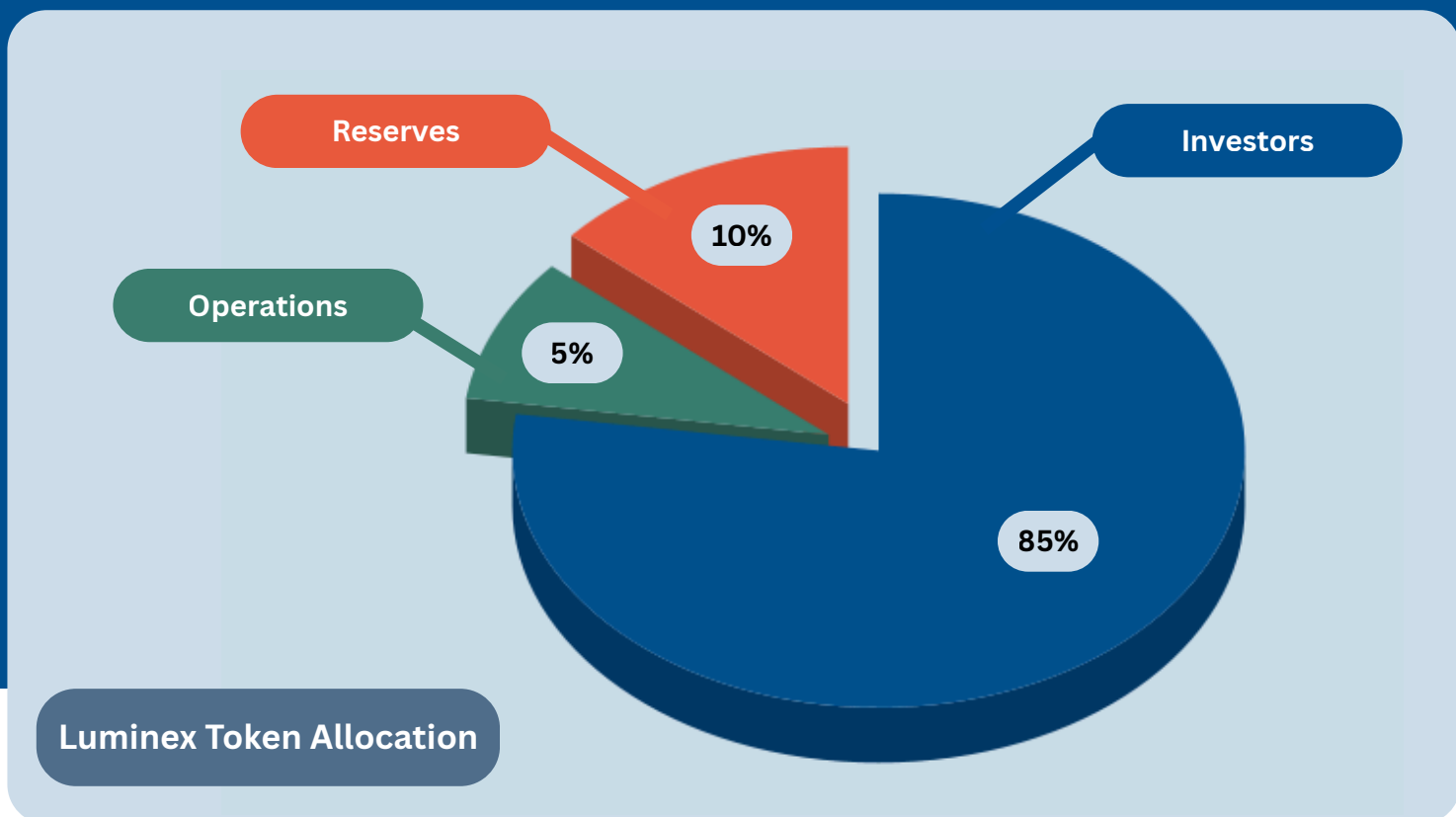
Once tokenized, investors can purchase asset-backed tokens that provide direct exposure to solar energy performance without requiring full asset ownership or institutional-scale capital. Each token represents a proportional share in the portfolio, allowing investors of all sizes to participate on equal terms — with the same transparency, the same blockchain-verified security, and the same proportional access to revenue distributions.

A defined portion of Luminex tokens is allocated to project development and operations — funding technological upgrades, smart contract maintenance, security enhancements, and ongoing regulatory compliance. This allocation ensures that the infrastructure supporting the investment remains robust, scalable, and competitive as the portfolio grows. A separate allocation supports ecosystem development and strategic partnerships, expanding the project's reach, strengthening liquidity on secondary markets, and driving broader adoption of the Luminex model.

A strategic reserve is maintained to support long-term stability, future project acquisitions, and risk management across the portfolio. Team and advisor allocations are subject to structured vesting schedules and lock-up periods — a deliberate design choice that aligns the long-term interests of the Luminex team directly with those of its investors, ensuring that the people building this project are committed to its success over the full lifecycle of the project.

The Luminex token distribution framework is built around a single principle — every allocation serves a defined purpose, and every purpose serves the long-term integrity of the ecosystem. Tokens are distributed across investors, operations, growth, and governance in proportions that reflect the project's priorities: investor access first, sustainable infrastructure second, and long-term stability throughout.

At launch, LMX is offered at an initial issuance price of \$0.01 — a valuation established through a methodology that reflects both the operational requirements of the project and the economic characteristics of the underlying solar energy market. This entry point is transparent, model-driven, and structured to align with institutional best practices. Early participants engage with full visibility into how that price was derived and what it represents in terms of real asset value.



The Luminex token – LMX – is issued as an ERC-20 compliant token on the Ethereum blockchain, built on one of the most secure, transparent, and widely adopted smart contract standards in the industry. This foundation is a deliberate choice that ensures compatibility, auditability, and investor confidence from day one.

The total token supply is not fixed in advance. Once the STO is complete, the number of LMX tokens minted will be determined by the actual amount raised – ensuring that supply reflects real investor participation rather than speculative projections. Under this structure, 85% of the total supply is allocated directly to investors, with the remaining 15% designated for reserves and operational purposes. Every token issued has a defined destination, and every destination has a defined purpose.

The largest allocation is directed to investors. These tokens represent fractional ownership in the underlying asset portfolio, carrying direct rights to revenue distributions and participation in the portfolio's capital appreciation over time. By prioritizing investor allocation above all else, Luminex places its token holders at the center of the model rather than the margin.

A dedicated allocation supports project development and operations – covering technological upgrades, smart contract maintenance, security infrastructure, and ongoing regulatory compliance. This is the foundation that keeps the project secure and scalable. A parallel allocation is designated for ecosystem growth, strategic partnerships, and liquidity development – ensuring that the Luminex token has active, accessible markets.

A strategic reserve is held to support long-term stability, future project acquisitions, and portfolio risk management. Team and advisor tokens are subject to structured vesting schedules and lock-up periods – a transparent and deliberate mechanism that ties the financial interests of the people building Luminex directly to the outcomes of the investors they serve.

Roadmap

- Smart contract architecture developed and audited
- Land contract agreements secured with partner landowners
- Private Sale opened to strategic contributors

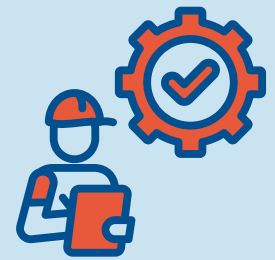
- Pre-Sale launched with early investor access
- Capital deployed into equipment procurement
- Secondary market listing and liquidity established

- New landowner contracts onboarded into the portfolio
- Additional solar farms brought to operational capacity
- Expansion into new geographic markets initiated

- Project upgraded to support increased token holder volume
- New STO rounds considered based on portfolio performance
- Long-term sustainability targets and carbon impact reporting published



Stage 1
Foundation and Preparation



Stage 2
Launch and Deployment



Stage 3
Growth and Sustainability



Stage 4
Scale and Expansion

Compliance

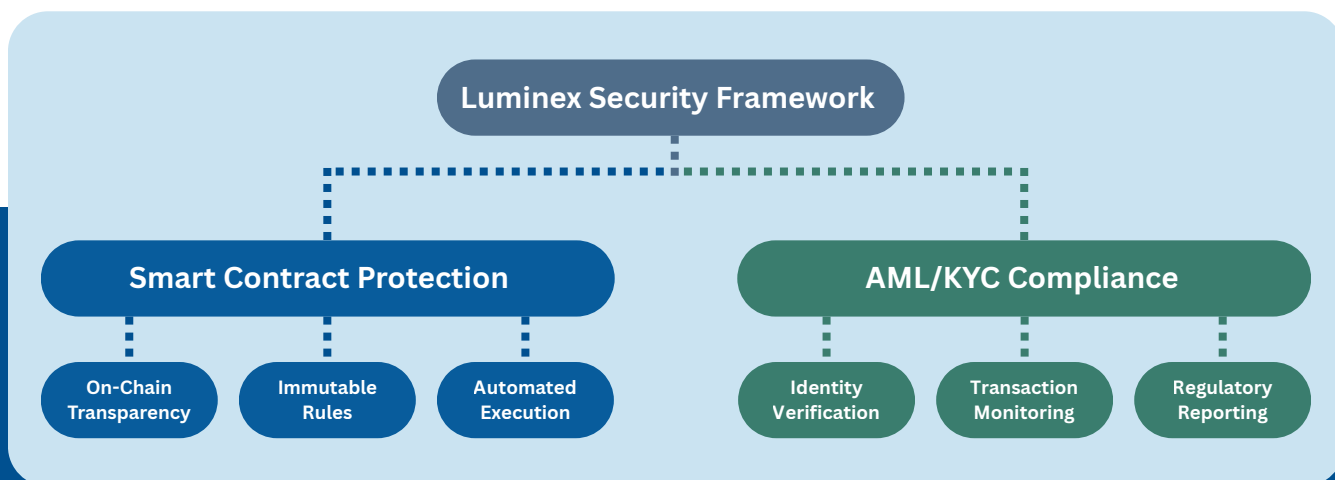
The Luminex STO is structured as a regulated security token offering, meaning that LMX tokens are treated as securities under applicable law. This classification is intentional. Unlike utility tokens or unregulated digital assets, security tokens carry legal obligations – disclosure requirements, investor protections, and ongoing reporting standards – that provide a framework of accountability that benefits every participant in the offering.

Every investor who participates in the Luminex STO is required to complete a thorough Know Your Customer and Anti-Money Laundering verification process before any tokens are issued or transferred. This process confirms the identity of each investor, verifies the legitimacy of the capital being invested, and ensures that participation in the offering meets the legal requirements of the investor's jurisdiction. KYC and AML compliance is a protection for every legitimate investor in the ecosystem.

Luminex is committed to providing investors with the information they need to make informed decisions, presented clearly and without omission. There are no hidden terms, no undisclosed risks, and no ambiguity in how capital is deployed or how returns are generated.

Beyond the initial offering, Luminex maintains ongoing compliance obligations including regular financial reporting, portfolio performance updates, and audit trails for all smart contract transactions. Token holders have continuous access to the information that matters – production data, revenue flows, distribution records, and project status updates – through the investor dashboard. Transparency does not end when the offering closes; it is a permanent feature of how Luminex operates.

We recognize that the regulatory landscape for digital securities is evolving rapidly across all major jurisdictions. Luminex actively monitors regulatory developments and works with qualified legal counsel across relevant markets. Where new requirements emerge, we will adapt – and we will communicate those adaptations clearly to our investor community. Our commitment to compliance is an ongoing practice that grows with the industry it operates within.



Conclusion

The Luminex Security Token Offering represents a structured and deliberate approach to participating in an asset class defined by long-term global demand, constrained supply dynamics, and accelerating institutional interest. By combining a fully compliant issuance framework with a transparent token architecture, Luminex provides qualified investors with a regulated, clearly defined gateway to solar infrastructure exposure – built on operational discipline and a commitment to accountability at every stage.

The project, technical model, and governance framework presented throughout this document are designed to evolve alongside the regulatory, market, and technological conditions that shape the digital securities landscape. Every component – from token issuance and asset onboarding to revenue distribution and lifecycle management – has been built with stability, auditability, and regulatory alignment as non-negotiable foundations, not aspirational targets.

This document is not intended to capture every future development the Luminex project will encounter. It provides a comprehensive structural overview of the project's foundations, value drivers, and operational direction at this stage of its development. As the offering progresses, additional documentation, formal disclosures, and material updates will be made available through official Luminex channels, ensuring that every participant remains fully informed throughout each phase of the STO lifecycle.

Luminex ultimately seeks to establish a reliable, institution-grade bridge between digital securities and real-world solar infrastructure – contributing meaningfully to the broader maturation of tokenized assets within the global clean energy economy.



Regulated



Transparent



Accountable



Regulated. Transparent. Accountable.

Company: Momentum Energy Drive

Contact email: contact@luminex-sto.com

Address: 105 Cecil St, The Octagon,
069534, Singapore

Support email: support@luminex-sto.com

LEI: 2549005BY04TSJ013Y02